REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

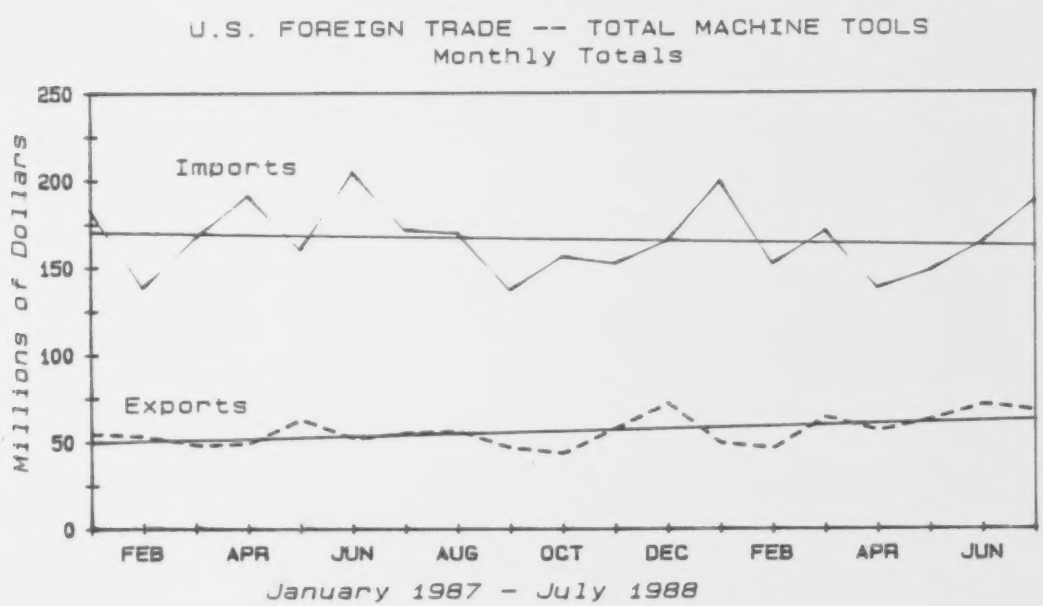
No. 136-88 October 28, 1988

U.S. FOREIGN TRADE IN MACHINE TOOLS - JULY 1988

U.S. exports of machine tools rose 11% compared to the first seven months of 1987, to $418.3 million. Year-to-date imports fell 5% from the same period last year to $1,159.9 million. U.S. exports fell 5% from their June 1988 level, while U.S. imports increased 14%. These changes combined to produce a trade deficit of $741.6 million for the first seven months of 1988. This represents a 12% improvement over the same period last year.

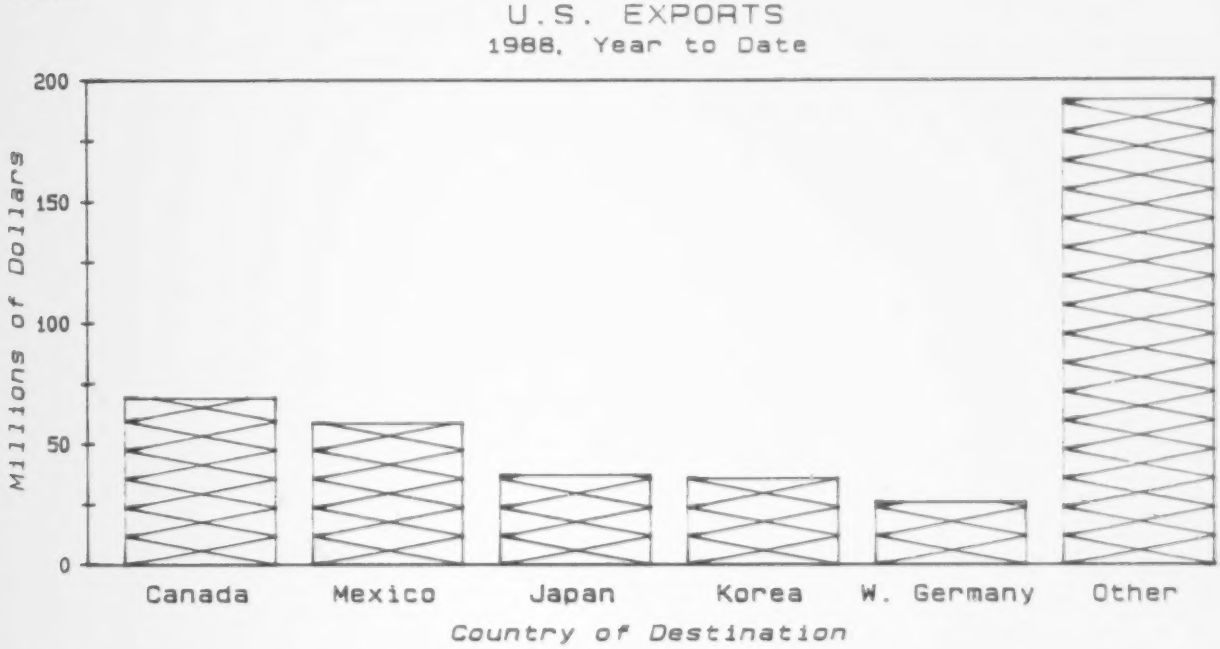
U.S. Machine Tool Trade
($Millions)

	July 1988			Seven Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$39.0	$149.8	($110.8)	$234.4	$ 895.6	($661.2)
Metal Forming	$28.7	$ 38.3	($ 9.6)	$184.0	$ 264.2	($ 80.2)
Total	$67.6	$188.1	($120.5)	$418.3	$1,159.9	($741.6)

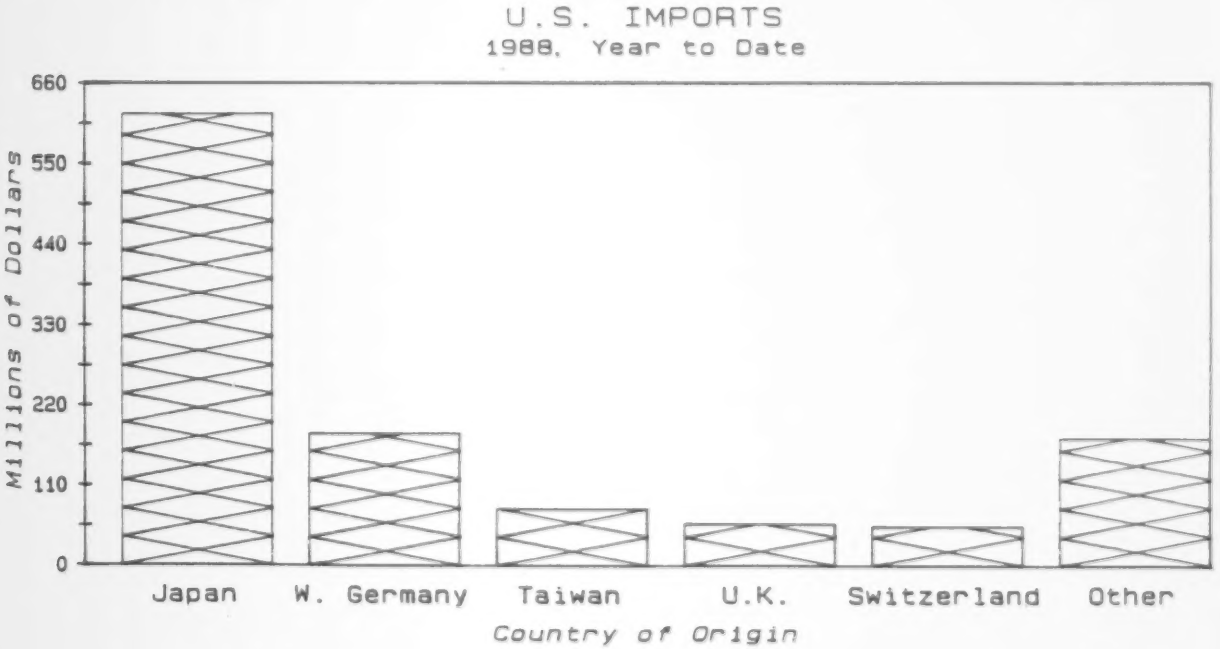


7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

U.S. exports of metal cutting machine tools fell 12% compared to last month's total while metal forming exports rose 6%. Compared to the first seven months of 1987, metal cutting exports increased 9% and exports of metal forming machinery jumped 15%. For January through July 1988, the leading export markets were (in millions): Canada ($69.3), Mexico ($58.5), Japan ($37.1), the Korean Republic ($35.7) and West Germany ($25.9).



U.S. imports of metal cutting machinery fell 1% from their year-to-date 1987 level and imports of metal forming machinery declined 15%. Metal cutting machine tool imports rose 23% from last month's level while metal forming imports dropped 10%. The leading exporters to the U.S. during the first seven months of 1988 were (in millions): Japan ($618.0), West Germany ($180.5), Taiwan ($77.4), the United Kingdom ($56.8) and Switzerland ($53.2).



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

RELEASED: OCTOBER 28, 1988

		TOTAL YTD		TOTAL MO	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	46	7055	9	1780
3035	Gear Shapers	9	2158	1	256
3045	Gear Cutting Machines, N.E.C.	22	1300	0	0
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1015	78232	156	11273
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	55	6038	12	1238
3409	Horizontal Machining Centers, ATC, NC	433	66032	53	8994
3411	Machining Centers, NC, N.E.C.	202	41882	36	5506
3412	Single Station and Multi-Station Transfer Machines	152	55959	33	20248
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	4	391
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	29	3770	4	838
3419	Vertical Boring-Drilling-Milling Machines, NC	80	8831	18	1562
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	7	1342	4	72
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	94	3031	13	318
3328	Drilling Machines, NC	152	5747	18	478
3329	Drilling Machines, Multi-Spindle, Non-NC	38	434	1	12
3334	Drilling Machines, Radial, Non-NC	75	464	5	50
3336	Drilling Machines, Upright, Single Spindle, Non-NC	91	707	6	123
3342	Drilling Machines, Non-NC, N.E.C.	310	10999	82	1580
3464	Milling Machines, NC	205	20168	52	3177
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	16	464	2	42
3467	Milling Machines, Knee Type, Non-NC	1872	11361	274	1697
3468	Milling Machines, Bed Type, Non-NC	211	9173	42	457
3469	Milling Machines, Non-NC, N.E.C.	1496	25918	203	3263
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	29	1154	2	28
3481	Boring Machines, NC, N.E.C.	5	1114	1	207
3483	Boring Machines, Non-NC N.E.C.	239	5313	42	889
3504	Horizontal Lathes, Multi-Spindle, NC	83	9388	4	444
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	1995	124891	350	20415
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	259	31668	42	6344
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	42	2543	0	0
3512	Horizontal Engine & Toolroom Lathes, Non-NC	1686	14825	390	3295
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	7	438	5	295
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	6	280
3515	Automatic Bar Machines, Single Spindle, Non-NC	93	2728	4	41
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1563	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	160	3405	23	493
3505	Vertical Lathes, Multi-Spindle, NC	48	5699	26	3945
3519	Vertical Lathes, NSPH, NC	82	7196	9	590
3522	Vertical Lathes, Excl. VTL's, Non-NC	625	12863	98	1894
3527	Gear Tooth Grinding & Finishing Machines	372	15574	31	2205
3528	Tool & Cutter Grinding Machines, NC	48	1643	1	29
3529	Tool & Cutter Grinding Machines, Non-NC	706	23188	129	1431
3533	Honing & Lapping Machines	231	13810	17	861
3539	Grinding Machines, Flat Surface, NC	36	3125	1	127
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	416	5962	72	625
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1387	15303	219	2781
3546	Grinding & Polishing Machines, NC, N.E.C.	113	16422	21	5867
3554	External Grinding Machines, Non-NC	217	7813	12	851
3556	Internal Grinding Machines, Non-NC	32	2734	3	612
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	87	2502	7	434
3559	Grinding Machines, Non-NC, N.E.C.	712	18591	106	2484
3562	Traveling Wire Electrical Discharge Machines	493	35122	73	5695
3564	All Other Electrical Discharge Machines	210	10401	23	1019
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	66	8514	14	1709
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	511	5751	11	2399
3576	Metal Cutting Machines Tools, NC, N.E.C.	153	10071	14	1556
3577	Sawing & Cut-Off Machines, Non-NC	974	13336	199	1927
3578	Broaching Machines, Non-NC	111	1589	1	3
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1002	28133	225	5789
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1136	10498	123	859
5000	Metal Cutting Machine Tools, Less Than $2500**	534664	55838	78333	8033
	TOTAL CUTTING			81665	149814
	TOTAL CUTTING YTD	555702	895642		
674:	METAL FORMING				
1010	Die Casting Machines	294	21505	47	1990
3582	Metal Forming Machine Tools, Used or Rebuilt	334	3594	46	899
3583	Metal Forming Machine Tools, Less Than $2500	15131	6511	1903	820
3584	Punching and Shearing Machines, Incl. Combination, NC	175	19050	31	2678
3586	Shearing Machines, Non-NC	377	7392	43	851
3587	Punching & Combination Punching & Shearing Machines, Non-NC	328	6767	40	562
3588	Bending, Folding, Straightening & Flattening Machines, NC	176	10852	25	1259
3589	Press Brakes, Non-NC	340	8964	43	1339
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	70	1169	16	319
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	702	24055	108	3026
3593	Metal Forming Machine Tools, NC, N.E.C.	30	20799	2	58
3594	Mechanical Presses, Non-NC	291	33767	22	2464
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	35	3627	4	2147
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	623	35464	90	12669
3597	Headers & Upsetters, Non-NC	33	5086	5	589
3598	Forging Machines, Non-NC, N.E.C.	61	12187	12	738
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1564	43442	169	5855
	TOTAL FORMING			2606	38271
	TOTAL FORMING YTD	20564	264236		
	TOTAL ALL TYPES			84271	188085
	TOTAL ALL TYPES YTD	576266	1159878		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	4	158	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	1	435
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	2	180	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	1	12
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	1	90
3342	9	170	1	39	0	0	0	0	8	852
3464	0	0	0	0	0	0	0	0	1	1050
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	5	28	0	0	0	0	1	680	35	348
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	2	28
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	13	121
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	4	229	0	0
3508	0	0	0	0	0	0	0	0	1	255
3510	0	0	0	0	0	0	0	0	0	0
3512	4	20	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	1	12
3514	0	0	0	0	0	0	2	10	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	46	289	0	0	0	0	0	0	1	429
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	2	14
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	16	140
3543	1	3	0	0	0	0	0	0	5	177
3546	0	0	0	0	0	0	0	0	4	362
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	7	14	95	13	51	6	230
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	45	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	2	97	0	0
3577	0	0	0	0	0	0	1	3	7	41
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	1	89	1	18
4000	0	0	0	0	0	0	0	0	12	3
5000	7463	257	1	1	94	22	477	157	645	144
CUT MO.	7532	925	4	92	108	117	503	1496	763	4761
CUT YTD	9331	5354	267	1177	353	933	2771	6529	5879	22069
1010	0	0	0	0	0	0	0	0	2	289
3582	0	0	0	0	0	0	0	0	1	2
3583	2	1	186	44	10	6	204	115	90	70
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	9	169	0	0	0	0	8	195
3587	0	0	0	0	1	6	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	6	561	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	2	19
3592	0	0	1	4	0	0	2	240	13	814
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	4	522	0	0	0	0	2	15
3597	0	0	0	0	0	0	0	0	4	506
3598	0	0	0	0	0	0	0	0	7	457
3599	0	0	1	50	0	0	6	345	18	869
FRM MO.	2	1	207	1350	11	12	212	700	147	3236
FRM YTD	49	232	812	8312	54	502	869	3759	1728	20716
TOT MO.	7534	926	211	1442	119	129	715	2196	910	7997
TOT YTD	9380	5586	1079	9489	407	1435	3640	10288	7607	42785

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	3	857	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	2	388
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	4	391	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	7	659
3422	0	0	0	0	0	0	0	0	3	53
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	1	33	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	15	56	5	30	2	17
3464	0	0	0	0	14	138	1	20	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	115	801	0	0	0	0
3468	0	0	0	0	14	132	1	107	0	0
3469	0	0	0	0	2	19	0	0	1	142
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	270
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	3	317	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	2	55	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	87	0	0	0	0	5	15	0	0
3505	0	0	0	0	0	0	0	0	2	388
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	13	832
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	13	282
3533	0	0	0	0	4	337	1	11	0	0
3539	0	0	0	0	0	0	0	0	1	127
3541	0	0	0	0	0	0	0	0	0	0
3543	1	423	0	0	0	0	0	0	29	336
3546	1	423	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	2	399	3	238
3556	0	0	0	0	0	0	0	0	0	0
3558	5	99	0	0	0	0	0	0	2	335
3559	1	22	0	0	0	0	0	0	1	203
3562	0	0	0	0	0	0	0	0	3	378
3564	0	0	0	0	0	0	0	0	2	215
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	1	58
3577	5	16	0	0	0	0	0	0	1	36
3578	0	0	0	0	0	0	0	0	0	0
3579	2	54	0	0	17	143	0	0	0	0
4000	0	0	0	0	0	0	1	29	3	72
5000	100	83	0	0	0	0	105	165	1009	61
CUT MO.	116	1207	0	0	184	1714	131	2341	1099	5080
CUT YTD	4444	4135	22	38	1300	10276	1109	6086	4120	40623
1010	10	20	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	2	3	1	29
3583	3	3	0	0	16	9	10	14	62	7
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	0	0	3	16	0	0	0	0
3587	0	0	0	0	17	160	15	191	1	11
3588	0	0	0	0	0	0	0	0	2	27
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	11	240	1	53
3592	0	0	0	0	0	0	3	15	4	47
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	2	760
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	1	2955	1	364
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	1	22	0	0	0	0	0	0	4	719
FRM MO.	14	45	0	0	36	185	42	3418	78	2017
FRM YTD	48	1325	48	488	551	2238	535	6002	1000	12603
TOT MO.	130	1252	0	0	220	1899	173	5759	1177	7097
TOT YTD	4492	5460	70	526	1851	12514	1644	12088	5120	53226

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	9	1780	0	0	0	0	0	0
3035	0	0	1	256	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	14	796	1	117	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	98	7	1301	0	0	0	0	0	0
3411	7	620	6	1685	0	0	0	0	0	0
3412	0	0	3	2210	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	1	24	2	614	0	0	0	0	0	0
3419	0	0	9	723	0	0	0	0	0	0
3422	0	0	0	0	0	0	1	19	0	0
3423	1	276	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	5	23	13	111	0	0	21	201	0	0
3464	2	81	22	947	0	0	0	0	0	0
3466	0	0	2	42	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	111	1205	1	7	0	0	2	20	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	1	207	0	0	0	0	0	0
3483	1	18	15	182	0	0	1	20	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	20	345	16	194	0	0	0	0	0	0
3508	0	0	1	182	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	37	577	0	0	0	0	0	0	91	584
3513	0	0	0	0	0	0	0	0	0	0
3514	4	270	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	65	0	0	0	0	0	0	12	43
3505	1	103	0	0	0	0	0	0	0	0
3519	2	10	0	0	0	0	0	0	0	0
3522	17	179	1	143	0	0	8	127	0	0
3527	1	7	2	1244	0	0	0	0	0	0
3528	0	0	1	29	0	0	0	0	0	0
3529	9	134	33	612	0	0	2	17	0	0
3533	7	68	3	332	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	34	0	0	0	0	0	0
3543	0	0	32	689	0	0	2	8	0	0
3546	0	0	6	2754	0	0	0	0	0	0
3554	0	0	1	23	0	0	0	0	0	0
3556	0	0	2	606	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	14	373	16	773	0	0	4	50	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	37	0	0	0	0	0	0
3567	0	0	1	110	0	0	0	0	0	0
3571	2	501	2	47	0	0	0	0	0	0
3576	0	0	6	1024	0	0	0	0	0	0
3577	2	9	67	227	5	13	17	120	0	0
3578	0	0	1	3	0	0	0	0	0	0
3579	25	219	101	975	0	0	30	1089	0	0
4000	31	245	18	118	0	0	20	125	0	0
5000	228	208	496	142	16	27	824	206	0	0
CUT MO.	544	6454	900	20480	21	40	932	2002	103	627
CUT YTD	7331	47262	7944	151212	242	1140	5889	10644	470	2555
1010	11	87	7	5	0	0	9	414	0	0
3582	1	13	6	33	0	0	20	605	0	0
3583	2	1	197	259	0	0	20	27	0	0
3584	0	0	8	183	0	0	0	0	0	0
3586	1	50	6	53	0	0	3	133	0	0
3587	0	0	5	46	0	0	1	148	0	0
3588	0	0	1	17	0	0	4	61	0	0
3589	0	0	0	0	0	0	8	214	0	0
3591	1	4	0	0	0	0	0	0	0	0
3592	8	124	6	380	0	0	38	511	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	1	15	1	8	0	0	2	14	0	0
3595	0	0	0	0	0	0	2	159	0	0
3596	2	77	8	289	0	0	17	87	6	6323
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	7	136	17	709	0	0	16	306	0	0
FRM MO.	34	507	262	1982	0	0	140	2679	6	6323
FRM YTD	679	9500	2862	29305	0	0	1088	25319	22	6389
TOT MO.	578	6961	1162	22462	21	40	1072	4681	109	6950
TOT YTD	8010	56762	10806	180517	242	1140	6977	35963	492	8944

U S IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	124	9526	0	0	3	132
3406	0	0	0	0	12	1238	0	0	0	0
3409	0	0	0	0	39	6606	1	52	0	0
3411	0	0	0	0	19	3043	0	0	0	0
3412	0	0	0	0	27	17215	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	1	200	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	18	478	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	4	26	0	0	0	0	0	0	0	0
3342	0	0	0	0	2	68	0	0	0	0
3464	0	0	0	0	6	740	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	4	104	0	0	0	0
3468	2	8	0	0	1	49	0	0	0	0
3469	0	0	0	0	2	323	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	9	148	0	0	0	0
3504	0	0	0	0	4	444	0	0	0	0
3506	0	0	0	0	255	17728	3	121	7	65
3508	0	0	0	0	35	5510	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	16	77	0	0	6	255	39	248	6	69
3513	0	0	0	0	4	283	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	2	271	0	0	0	0
3505	0	0	0	0	23	3454	0	0	0	0
3519	0	0	0	0	7	580	0	0	0	0
3522	0	0	0	0	11	597	12	74	0	0
3527	0	0	0	0	5	14	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	9	28	0	0	30	212	0	0	0	0
3533	0	0	0	0	2	113	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	1	61	0	0	31	294
3543	1	11	0	0	32	386	0	0	0	0
3546	0	0	0	0	10	2328	0	0	0	0
3554	3	25	0	0	2	157	0	0	0	0
3556	0	0	0	0	1	6	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	17	553	0	0	0	0
3562	0	0	0	0	70	5317	0	0	0	0
3564	0	0	0	0	7	590	0	0	0	0
3567	0	0	0	0	13	1599	0	0	0	0
3571	0	0	0	0	7	1851	0	0	0	0
3576	0	0	0	0	5	377	0	0	0	0
3577	0	0	4	176	19	960	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	45	2992	0	0	0	0
4000	0	0	0	0	12	187	0	0	10	11
5000	6259	353	0	0	9546	1020	0	0	0	0
CUT MO.	6294	528	4	176	10435	87583	55	495	57	571
CUT YTD	22997	3370	280	984	41871	489503	1427	6673	470	4303
1010	0	0	0	0	8	1175	0	0	0	0
3582	0	0	0	0	9	138	0	0	0	0
3583	10	16	0	0	593	67	0	0	4	1
3584	0	0	0	0	23	2495	0	0	0	0
3586	0	0	0	0	9	179	0	0	2	20
3587	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	16	1053	0	0	0	0
3589	0	0	0	0	14	487	0	0	2	26
3591	0	0	0	0	1	3	0	0	0	0
3592	0	0	0	0	22	733	0	0	0	0
3593	0	0	0	0	2	58	0	0	0	0
3594	0	0	0	0	15	1570	0	0	0	0
3595	0	0	0	0	1	1977	0	0	0	0
3596	0	0	0	0	41	1815	0	0	0	0
3597	0	0	0	0	1	83	0	0	0	0
3598	0	0	0	0	2	248	0	0	0	0
3599	0	0	0	0	99	2699	0	0	0	0
FRM MO.	10	16	0	0	856	14780	0	0	8	47
FRM YTD	22	137	54	840	3218	128542	47	145	293	1093
TOT MO.	6304	544	4	176	11291	102363	55	495	65	618
TOT YTD	23019	3507	334	1824	45089	618045	1474	6818	763	5396

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

674:	TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	14	702	0	0	0	0
3406	0	0	0	0	0	0
3409	2	80	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	0	0
3423	12	42	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	3	12	0	0	1	5
3336	1	7	0	0	0	0
3342	0	0	0	0	1	13
3464	6	201	0	0	0	0
3466	0	0	0	0	0	0
3467	154	780	0	0	1	12
3468	22	140	0	0	2	21
3469	40	440	0	0	3	61
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	1	15	1	115
3504	0	0	0	0	0	0
3506	45	1733	0	0	0	0
3508	2	80	0	0	0	0
3510	0	0	0	0	0	0
3512	160	1033	0	0	29	377
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	4	41	0	0	0	0
3516	0	0	0	0	0	0
3518	2	12	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	0	0	1	34	1	22
3527	10	108	0	0	0	0
3528	0	0	0	0	0	0
3529	31	132	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	23	96	0	0	0	0
3543	112	565	0	0	4	183
3546	0	0	0	0	0	0
3554	1	9	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	15	116	0	0	4	11
3562	0	0	0	0	0	0
3564	0	0	12	132	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	71	326	0	0	0	0
3578	0	0	0	0	0	0
3579	2	31	0	0	1	179
4000	7	15	1	14	8	40
5000	48519	5074	13	22	2538	91
CUT MO.	49258	11775	28	217	2594	1130
CUT YTD	387358	73646	257	1120	49570	6026
1010	0	0	0	0	0	0
3582	6	76	0	0	0	0
3583	456	144	0	0	38	36
3584	0	0	0	0	0	0
3586	0	0	0	0	2	36
3587	0	0	0	0	0	0
3588	0	0	0	0	2	101
3589	12	39	0	0	1	12
3591	0	0	0	0	0	0
3592	0	0	0	0	11	158
3593	0	0	0	0	0	0
3594	1	97	0	0	0	0
3595	1	11	0	0	0	0
3596	4	98	0	0	4	124
3597	0	0	0	0	0	0
3598	3	33	0	0	0	0
3599	0	0	0	0	0	0
FRM MO.	483	498	0	0	58	467
FRM YTD	6104	3802	5	208	476	2774
TOT MO.	49741	12273	28	217	2652	1597
TOT YTD	393462	77448	262	1328	50046	8800

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	7	330	0	0	7	330
EAST GERMANY	6	92	0	0	6	92
FINLAND	1	13	27	256	28	269
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	2	101	2	101
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	5	19	0	0	5	19
POLAND	28	372	0	0	28	372
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	47	826	29	357	76	1183
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	10	34	10	34
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	2520	92	19	76	2539	168
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	2520	92	29	110	2549	202
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	21	185	0	0	21	185
INDIA	4	6	0	0	4	6
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	25	191	0	0	25	191
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	2	21	0	0	2	21
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	2	21	0	0	2	21

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

RELEASED: OCTOBER 28, 1988

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	63	4745	1	106
3045	Gear Cutting Machines, N.E.C.	39	10588	12	4301
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	72	5038	5	523
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	2	805
3209	Horizontal Machining Centers, ATC, NC	19	3738	10	1289
3211	Machining Centers, NC, N.E.C.	47	3671	6	479
3216	Single Station and Multi-Station Transfer Machines	17	10597	3	1153
3225	Way Type Machines (Unit Heads)	5	415	0	0
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	492	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	3	1269	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	3	538	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	18	972	7	315
3254	Drilling Machines, NC	16	1911	4	1153
3255	Drilling Machines, Multi-Spindle, Non-NC	14	1442	3	526
3256	Drilling Machines, Radial, Non-NC	14	558	1	5
3257	Drilling Machines, Upright, Single Spindle, Non-NC	9	273	1	3
3258	Drilling Machines, Non-NC, N.E.C.	61	1446	13	95
3264	Milling Machines, NC	10	2990	0	0
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	26	2970	1	24
3267	Milling Machines, Knee Type, Non-NC	2	88	0	0
3268	Milling Machines, Bed Type, Non-NC	1	54	0	0
3269	Milling Machines, Non-NC, N.E.C.	113	6253	23	1332
3276	Vertical Boring Machines, Incl. VTLs, NC	1	610	1	610
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	55	2377	0	0
3281	Boring Machines NC, N.E.C.	3	210	0	0
3283	Boring Machines, Non-NC, N.E.C.	74	3547	1	58
3503	Horizontal Lathes, Multi-Spindle, NC	28	5861	0	0
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	81	5925	16	1124
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	19	2904	2	197
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	6	1990	1	504
3510	Horizontal Engine & Toolroom Lathes, Non-NC	59	2073	17	686
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	18	2024	3	271
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	7	505	1	27
3515	Automatic Bar Machines, Single-Spindle, Non-NC	18	195	1	4
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	31	1164	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	222	5671	49	740
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	4	183	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	60	3012	16	775
3528	Grinding, Polishing, Honing & Lapping Machines, NC	172	28374	57	6313
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	36	1270	3	58
3531	Tool & Cutter Grinding Machines, Non-NC	225	3884	20	264
3532	Honing & Lapping Machines, Non-NC	334	4071	24	512
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	97	1720	20	537
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	187	11360	52	2693
3541	External Grinding Machines, Non-NC	11	1509	1	566
3542	Internal Grinding Machines, Non-NC	24	4724	2	239
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	152	7773	18	896
3546	Grinding Machines, Non-NC, N.E.C.	175	6302	20	538
3547	Traveling Wire Electrical Discharge Machines	3	190	0	0
3549	All Other Electrical Discharge Machines	133	1678	29	687
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	6	307	1	89
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	59	2490	4	196
3559	Metal Cutting Machine Tools, NC, N.E.C.	79	3421	5	348
3565	Sawing & Cut-Off Machines, Non-NC	341	4056	51	926
3566	Broaching Machines, Non-NC	7	1120	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	165	4608	11	552
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	3737	33424	665	5364
5000	Metal Cutting Machine Tools, Less Than $2500**	17762	9391	2306	1094
	TOTAL CUTTING			3489	38972
	TOTAL CUTTING YTD	24960	234390		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	12207	0	4074
3568	Metal Forming Machine Tools, Used Or Rebuilt	632	8495	119	1845
3569	Metal Forming Machine Tools, Less Than $2500	4136	2506	482	270
3571	Punching & Shearing Machines, Incl. Combination, NC	59	9891	4	512
3573	Shearing Machines, Non-NC	76	1837	16	472
3575	Punching & Combination Punching & Shearing Machines, Non-NC	528	13585	77	1848
3578	Bending, Folding, Straightening & Flattening Machines, NC	74	3225	3	83
3582	Press Brakes, Non-NC	58	3151	14	691
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	9	1171	0	0
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	601	18547	62	1437
3588	Mechanical Presses	173	17020	14	1949
3589	Hydraulic Presses, Vertical, Single Action	68	3318	2	100
3590	Hydraulic & Pneumatic Presses	723	34307	98	5570
3594	Headers & Upsetters, Non-NC	57	12705	10	1092
3595	Forging Machines, Non-NC, N.E.C.	71	1624	23	356
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	684	40387	118	8352
	TOTAL FORMING			1042	28650
	TOTAL FORMING YTD	7949	183957		
	TOTAL ALL TYPES			4531	67622
	TOTAL ALL TYPES YTD	32909	418347		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	4	405	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	1	113	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	4	154	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	6	324	2	130	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	2	239	0	0
3544	0	0	0	0	0	0	6	41	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	9	303	0	0	13	32	0	0
5000	0	0	0	0	0	0	21	13	0	0
CUT MO	6	324	15	838	0	0	47	592	0	0
CUT YTD	84	784	179	3492	4	376	333	4467	11	540
1011	0	6	0	0	0	0	0	9	0	0
3568	0	0	0	0	0	0	21	255	2	49
3569	0	0	17	14	0	0	41	10	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	1	53	0	0
3575	0	0	0	0	0	0	2	187	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	1	26	2	78	0	0
3588	0	0	0	0	0	0	1	411	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	1	5	0	0
3598	0	0	0	0	0	0	11	159	0	0
FRM MO	0	6	17	14	1	26	80	1252	2	49
FRM YTD	1	106	118	945	11	217	381	6071	16	462
TOT MO	6	330	32	852	1	26	127	1844	2	49
TOT YTD	85	890	297	4437	15	593	714	10538	27	1002

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	3	13	0	0	2	17	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	3	321	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	2	256	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	4	0	0	1	10	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	14	466	8	19	0	0	1	9	0	0
5000	8	13	14	8	0	0	1	2	13	20
CUT MO.	27	1056	26	44	0	0	5	38	13	20
CUT YTD	381	5534	179	1451	4	21	228	1340	129	1353
1011	0	20	0	19	0	0	0	0	0	3
3568	0	0	0	0	0	0	0	0	0	0
3569	4	4	22	3	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	1	19	0	0	2	86	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	100	2	12	0	0	3	34	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	5	151	0	0	0	0	0	0	0	0
3598	2	38	3	72	0	0	10	1034	0	0
FRM MO.	13	313	28	125	0	0	15	1154	0	3
FRM YTD	98	4779	112	2526	1	50	71	4597	78	967
TOT MO.	40	1369	54	169	0	0	20	1192	13	23
TOT YTD	479	10313	291	3977	5	71	299	5937	207	2320

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	143	0	0	6	993	0	0
3204	0	0	1	118	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	198	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	2	477	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	5	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	1	53	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	7	368	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	3	16	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	27	0	0	0	0	0	0
3515	0	0	1	4	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	4	55	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	8	302	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	1	23	0	0
3529	0	0	0	0	0	0	1	24	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	2	43	0	0	1	13	1	11
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	60	0	0
3541	0	0	1	566	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	2	277	0	0
3546	0	0	2	19	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	6	288	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	2	169	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	18	2	230	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	14	0	0	0	0	0	0
4000	0	0	10	98	0	0	7	33	0	0
5000	16	6	125	103	51	31	80	69	0	0
CUT MO.	25	326	175	2994	51	31	100	1494	1	11
CUT YTD	166	1993	1754	15630	59	992	878	10413	2	85
1011	0	8	0	167	0	0	0	887	0	2
3568	1	396	5	250	0	0	0	0	0	0
3569	0	0	8	7	0	0	44	10	0	0
3571	0	0	1	94	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	4	85	0	0	11	176	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	4	86	0	0	5	49	0	0
3588	0	0	0	0	0	0	2	772	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	168	0	0	3	166	0	0
3594	0	0	0	0	0	0	1	110	0	0
3595	0	0	1	9	0	0	0	0	0	0
3598	1	4	5	70	0	0	5	149	0	0
FRM MO.	2	408	29	936	0	0	71	2319	0	2
FRM YTD	40	1324	237	7700	2	52	1040	15450	4	635
TOT MO.	27	734	204	3930	51	31	171	3813	1	13
TOT YTD	206	3317	1991	23330	61	1044	1918	25863	6	720

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	1	106	0	0	0	0
3045	4	3112	0	0	1	53	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	1	350	0	0	0	0
3209	0	0	8	526	0	0	0	0	0	0
3211	0	0	0	0	1	20	0	0	0	0
3216	0	0	1	799	2	354	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	28	5	44	0	0	0	0
3254	0	0	1	152	0	0	0	0	0	0
3255	0	0	1	48	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	1	3	0	0	0	0	0	0
3258	0	0	1	4	10	35	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	1	24	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	14	200	6	985	1	18	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	58	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	219	0	0	0	0	0	0
3507	0	0	2	197	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	2	44	0	0	0	0	0	0
3511	0	0	0	0	2	42	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	6	30	15	242	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	6	73	0	0	0	0
3528	27	3468	3	87	21	2245	0	0	0	0
3529	0	0	0	0	2	34	0	0	0	0
3531	0	0	7	48	3	24	0	0	0	0
3532	0	0	0	0	3	187	0	0	0	0
3533	0	0	3	40	0	0	0	0	0	0
3538	0	0	0	0	3	139	0	0	1	115
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	3	33	1	13	0	0	0	0
3546	1	306	10	129	3	57	2	10	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	6	60	4	28	0	0	1	3
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	4	68	0	0	0	0	0	0
3565	0	0	22	267	12	105	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	6	5	304	0	0	0	0
4000	1	670	16	413	276	886	14	60	0	0
5000	44	67	1428	297	125	114	7	4	0	0
CUT MO.	77	7623	1544	3698	510	6522	24	92	2	118
CUT YTD	243	9203	7992	39654	3841	40180	292	631	121	991
1011	0	138	0	669	0	110	0	16	0	0
3568	0	0	48	220	22	291	0	0	13	195
3569	0	0	46	26	82	83	88	35	0	0
3571	0	0	3	418	0	0	0	0	0	0
3573	0	0	7	165	1	16	0	0	0	0
3575	0	0	9	83	8	169	0	0	0	0
3578	0	0	1	48	1	20	0	0	0	0
3582	0	0	9	45	3	399	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	11	22	586	3	25	4	52	0	0
3588	0	0	2	65	2	24	0	0	0	0
3589	0	0	0	0	2	100	0	0	0	0
3590	0	0	3	97	60	1279	0	0	0	0
3594	1	81	0	0	0	0	0	0	0	0
3595	0	0	6	74	6	45	1	20	0	0
3598	0	0	16	507	3	38	0	0	1	29
FRM MO.	3	230	172	3003	193	2599	93	123	14	224
FRM YTD	82	1627	2367	29598	1423	18320	127	888	40	816
TOT MO.	80	7853	1716	6701	703	9121	117	215	16	342
TOT YTD	325	10830	10359	69252	5264	58500	419	1519	161	1807

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	1	455
3209	0	0	0	0	0	0	0	0	1	565
3211	0	0	0	0	0	0	0	0	1	250
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	1	243	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	16
3276	0	0	0	0	0	0	0	0	1	610
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0		0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	8	9	271	0	0	0	0
3511	0	0	0	0	0	0	0	0	1	229
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	3	5	61	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	1	277	0	0	0	0
3528	0	0	0	0	0	0	0	0	4	136
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	8	0	0	0	0
3532	2	59	0	0	0	0	0	0	2	43
3533	0	0	0	0	0	0	0	0	4	52
3538	31	973	0	0	0	0	0	0	1	465
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	7	0	0
3546	0	0	0	0	0	0	2	17	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	18	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	258	1606	21	105	2	529
5000	0	0	20	30	31	74	6	12	51	11
CUT MO.	33	1032	22	41	307	2558	30	141	70	3361
CUT YTD	110	3848	145	1589	2618	10134	179	1041	298	14008
1011	0	5	0	2	0	0	0	10	0	1328
3568	0	0	0	0	3	21	0	0	0	0
3569	0	0	12	14	49	41	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	16	0	0	4	47	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	1	179	0	0	1	50
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	1	363	0	0	.0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	18	4364	2	29	3	470	0	0	0	0
FRM MO.	20	4748	14	45	60	758	0	30	1	1378
FRM YTD	59	8557	43	690	201	5084	29	432	49	4276
TOT MO.	53	5780	36	86	367	3316	30	171	71	4739
TOT YTD	169	12405	188	2279	2819	15218	208	1473	347	18284

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	6	537
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	1	504
3510	0	0	0	0	0	0	0	0	2	347
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	3	34
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	1	354
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	4	1	4	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	25	1	120
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	2	403
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	4	9	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	1	280
3565	1	17	2	39	0	0	0	0	5	169
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	179
4000	1	2	0	0	0	0	2	4	5	27
5000	16	14	20	13	0	0	0	0	58	20
CUT MO.	22	42	22	52	1	4	4	33	87	2974
CUT YTD	211	1734	155	2505	27	293	100	3465	1207	15010
1011	0	0	0	0	0	0	0	0	0	3
3568	0	0	0	0	0	0	0	0	1	30
3569	0	0	0	0	0	0	0	0	60	8
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	4	135
3575	2	9	1	10	0	0	1	81	5	188
3578	0	0	0	0	0	0	0	0	1	15
3582	0	0	0	0	0	0	1	240	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	4	28
3588	0	0	0	0	0	0	0	0	2	48
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	2	1183
3594	0	0	0	0	0	0	0	0	7	538
3595	0	0	0	0	0	0	0	0	3	52
3598	11	195	4	85	0	0	0	0	6	237
FRM MO.	13	204	5	95	0	0	2	321	95	2465
FRM YTD	101	3164	29	1324	6	285	16	2131	342	22076
TOT MO.	35	246	27	147	1	4	6	354	182	5439
TOT YTD	312	4898	184	3829	33	578	116	5596	1549	37086

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	2	119	1	64	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	2	478
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	3	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	4	46	0	0	0	0	10	255	1	14
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	123	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	9	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	1	14	1	14
3533	10	194	0	0	0	0	0	0	3	251
3538	1	13	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	117
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	2	4
3551	1	89	0	0	0	0	0	0	0	0
3553	1	14	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	13	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	1	49
4000	4	64	0	0	0	0	2	35	0	0
5000	46	30	0	0	27	22	6	6	37	29
CUT MO.	72	714	1	64	27	22	20	313	48	956
CUT YTD	562	23468	73	578	217	472	910	3572	426	5441
1011	0	87	0	0	0	0	0	38	0	188
3568	0	0	0	0	0	0	1	17	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	2	113	0	0	0	0	2	7	1	359
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	7
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	1	73	1	90	1	10
3588	1	129	0	0	2	271	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	4	869	0	0	0	0	0	0	2	51
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	6	127	0	0	2	59	0	0	3	395
FRM MO.	13	1325	0	0	5	403	4	152	8	1010
FRM YTD	157	12219	5	131	25	570	128	1503	82	7998
TOT MO.	85	2039	1	64	32	425	24	465	56	1966
TOT YTD	719	35687	78	709	242	1042	1038	5075	508	13439

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	1	26	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	1	524	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	13	0	0	0	0
3532	0	0	1	21	0	0	2	29	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	8	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	5	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	3	37	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	1	13	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	21	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	1	3	0	0	0	0
5000	0	0	7	5	14	20	0	0	0	0
CUT MO.	3	529	8	26	23	133	3	37	0	0
CUT YTD	45	2766	191	1371	190	2267	72	149	1	4
1011	0	0	0	315	0	3	0	21	0	0
3568	0	0	2	121	0	0	0	0	0	0
3569	0	0	3	3	6	12	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	2	8	1	50	0	0	0	0
3575	0	0	17	165	4	48	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	30	1	10	3	137	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	8	884	13	119	2	754	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	3	133	1	35	0	0	0	0
FRM MO.	9	914	41	874	17	1039	0	21	0	0
FRM YTD	20	1522	205	5724	172	5845	10	1745	0	0
TOT MO.	12	1443	49	900	40	1172	3	58	0	0
TOT YTD	65	4288	396	7095	362	8112	82	1894	1	4

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	3	48	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	1	15
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	3	2	27	51	4	8
CUT MO.	3	2	30	99	5	23
CUT YTD	4	229	327	1211	12	149
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	1	5	1	78
FRM MO.	0	0	1	5	1	78
FRM YTD	0	9	12	63	9	1498
TOT MO.	3	2	31	104	6	101
TOT YTD	4	238	339	1274	21	1647

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	34	91	2	134	36	225
GIBRALTAR	0	0	0	0	0	0
GREECE	34	3440	0	0	34	3440
HUNGARY	5	3418	0	0	5	3418
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	3	4	0	0	3	4
PORTUGAL	1	670	1	96	2	766
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	77	7623	3	230	80	7853
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	1	18	0	0	1	18
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	4	9	88	35	92	44
DOMINICAN REP.	0	0	3	65	3	65
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	2	10	0	0	2	10
HONDURAS	1	13	0	0	1	13
JAMAICA	0	0	1	7	1	7
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	1	4	1	4	2	8
SALVADOR	3	7	0	12	3	19
TRINIDAD	12	31	0	0	12	31
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	24	92	93	123	117	215
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	7	28	0	0	7	28
ECUADOR	2	23	0	3	2	26
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	1	2	0	0	1	2
PERU	17	64	0	27	17	91
SURINAM	0	0	0	0	0	0
URAGUAY	3	24	0	0	3	24
OTHER S. AM.	0	0	0	0	0	0
TOTAL	30	141	0	30	30	171
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	1	21	0	0	1	21
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	1	105	1	105
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	1	5	1	5
MALAYSIA	0	0	17	325	17	325
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	7	5	22	439	29	444
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	8	26	41	874	49	900
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	1	15	0	0	1	15
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	1	78	1	78
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	4	8	0	0	4	8
TOTAL	5	23	1	78	6	101

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.